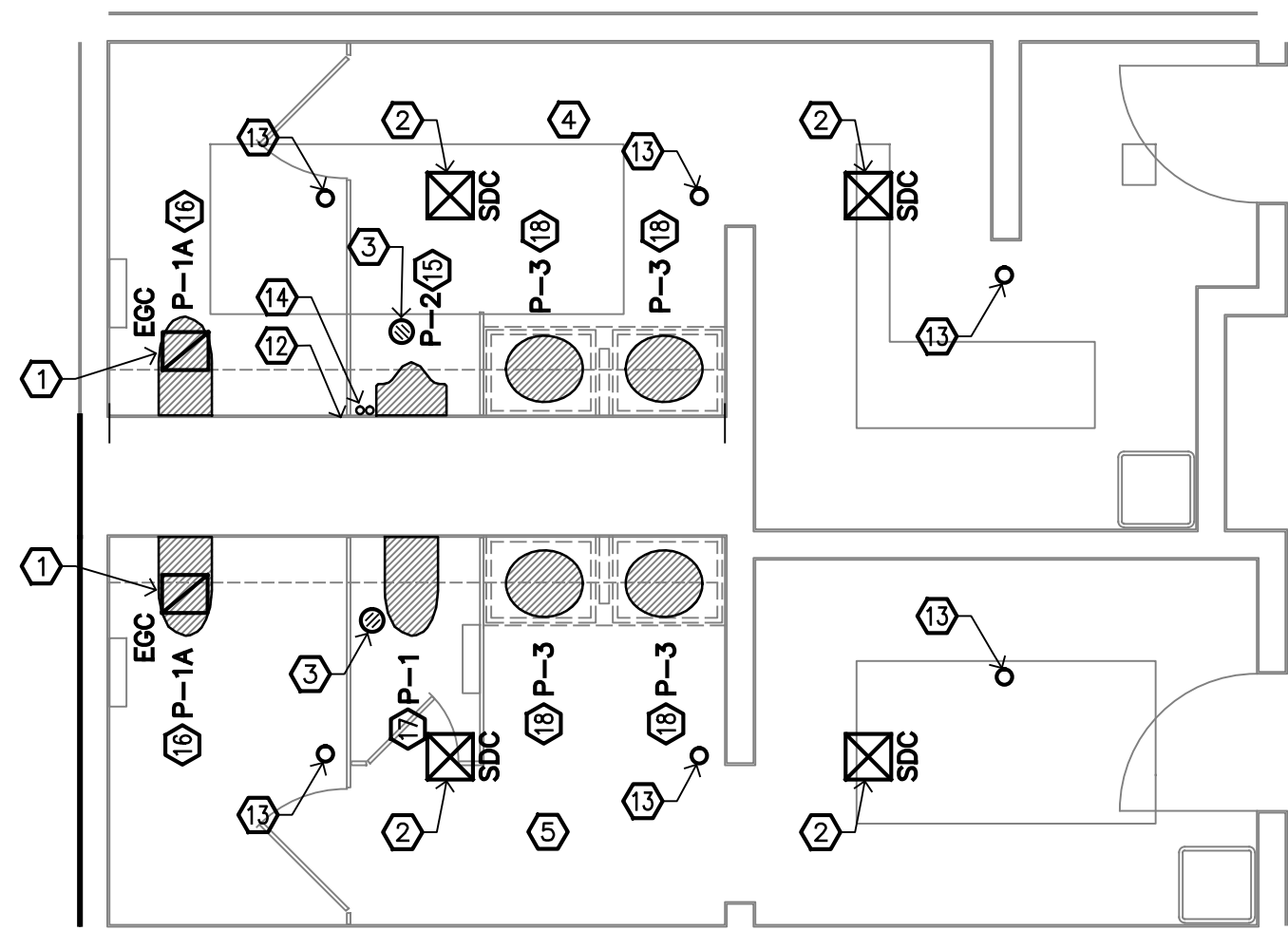


G TYPICAL PLUMBING DEMO PLAN
M1 SCALE: 1/8" = 1'-0"

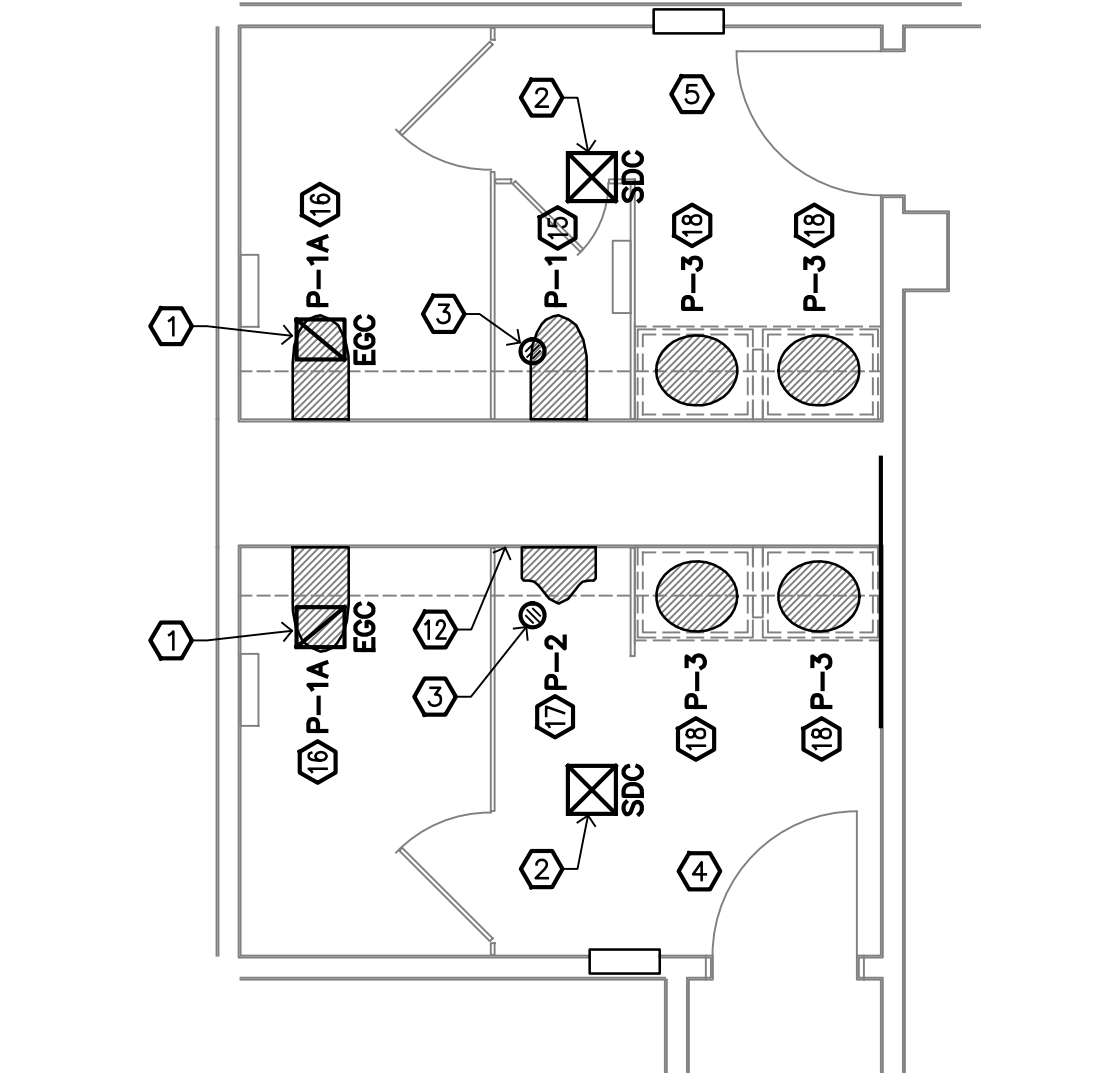
MARK	DESCRIPTION	MANUFACTURER	CATALOG	FITTINGS	CW	HW	WASTE	VENT	REMARKS
P-1	WATER CLOSET (STD.)	AMERICAN STANDARD	AFWALL 3351.128	SLOAN ROYAL #111-1.28 FLUSH VALVE, w/ TECHNICAL CONCEPTS #401187 AUTOFLUSH	1"	--	4"	2"	WALL-MOUNTED, WHITE VITREOUS CHINA, ELONGATED BOWL, 1.28 GPF, OPEN FRONT WHITE SEAT. STANDARD MOUNTING HEIGHT. INSTALL NEW FLOOR MOUNTED CARRIER ON EXISTING PIPING IN CHASE.
P-1A	WATER CLOSET (HDCP.)	AMERICAN STANDARD	AFWALL 3355.128	SLOAN ROYAL #111-1.28 FLUSH VALVE, w/ TECHNICAL CONCEPTS #401187 AUTOFLUSH	1"	--	4"	2"	WALL-MOUNTED, ADA RETROFIT, WHITE VITREOUS CHINA, ELONGATED BOWL, 1.28 GPF, OPEN FRONT WHITE SEAT. MOUNTED ON EXISTING CARRIER. ADA COMPLIANT MOUNTING HEIGHT.
P-2	URINAL (HDCP.)	AMERICAN STANDARD	WASHBROOK 6590.005	SLOAN REGAL #186-0.5XL FLUSH VALVE, w/ TECHNICAL CONCEPTS #401186 AUTOFLUSH	3/4"	--	2"	1-1/2"	SIPHON-JET, 0.5 GPF. INSTALL NEW FLOOR MOUNTED CARRIER ON EXISTING PIPING IN CHASE. MOUNT AT ADA COMPLIANT MOUNTING HEIGHT.
P-3	LAVATORY (HDCP)	AMERICAN STANDARD	AQUALYN 0476.028	DELTA #500-DST	1/2"	1/2"	1-1/2"	1-1/4"	OVAL VITREOUS CHINA, DROP-IN, 3-HOLE 4"-SPREAD SINK. OFFSET GRID DRAIN, C.P. TRAP, 3/8" HW/CW SUPPLIES WITH ALL BRASS ANGLE STOPS.

MARK	SERVICE	MFR. / MODEL NO.	FACE	MOUNTING	DESCRIPTION	SIZE	COLOR
EGC	EXHAUST	TITUS #350RL	LOUVER	SURFACE, CEILING	3/4" BLADE SPACING, 35° FIXED SINGLE DEFLECTION, OBD	12"x10"	WHITE
SDC	SUPPLY	TITUS #TMSA	LOUVER	SURFACE, CEILING	ROUND NECK (8"), OBD	12"x12"	WHITE

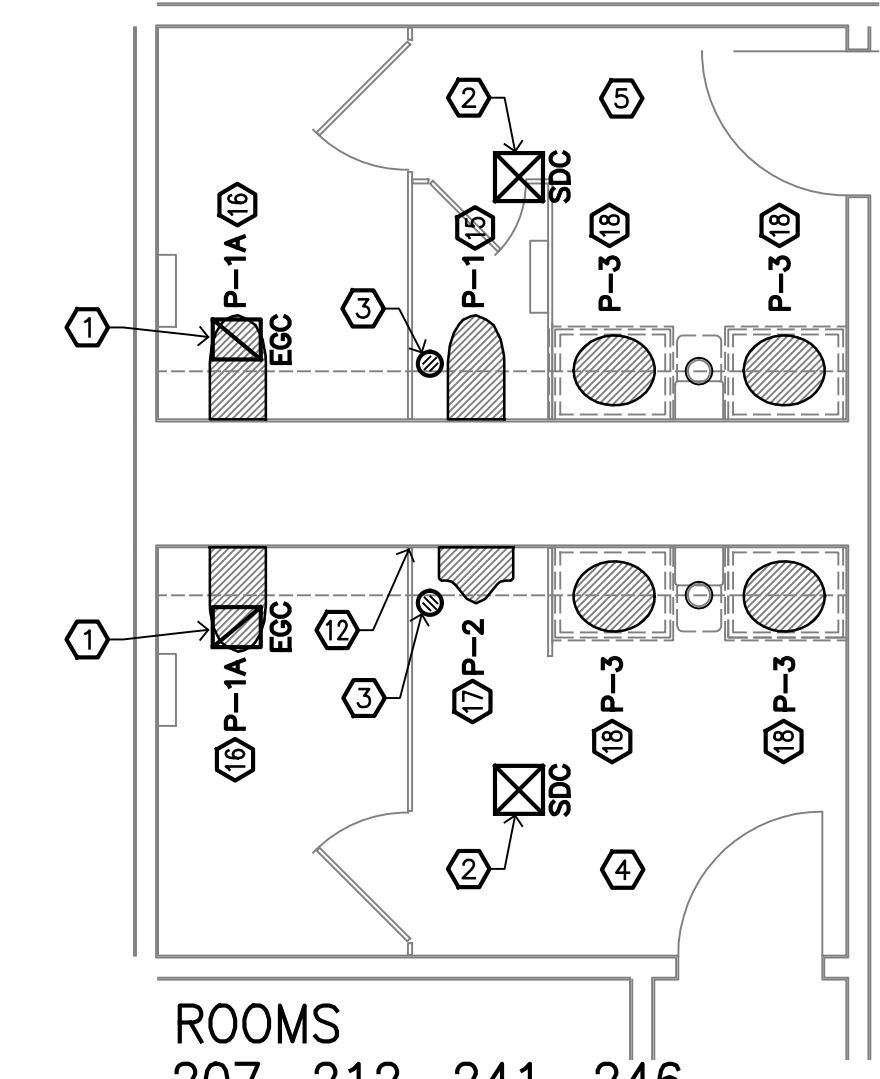
SYSTEM	MATERIAL	INSULATION		
		THICKNESS	TYPE	JACKET
DOMESTIC CW/HW/HWR	TYPE "L" HARD COPPER	1/2"	FIBERGLASS	VAPOR BARRIER
SANITARY WASTE	SWCI NO-HUB	---	---	---
SANITARY VENT	SWCI NO-HUB	---	---	---
L.P. S/A RUNOUTS (CONCEALED)	G.I.S.M.	2"	DUCTWRAP	VAPOR BARRIER
L.P. S/A DUCTWORK (RECTANGULAR)	G.I.S.M.	1"	DUCTLINER	---
L.P. R/A DUCTWORK (RECTANGULAR)	G.I.S.M.	1"	DUCTLINER	---
S/A FLEX DUCT (CONCEALED)	INSULATED FLEX	2"	---	---
CONDENSATE DRAIN PIPING	COPPER, RIGID TYPE L	---	---	---
REFRIGERANT PIPING	COPPER, ACR	1/2"	ARMAFLEX, W.P.	SHIELDING ON EXTERIOR



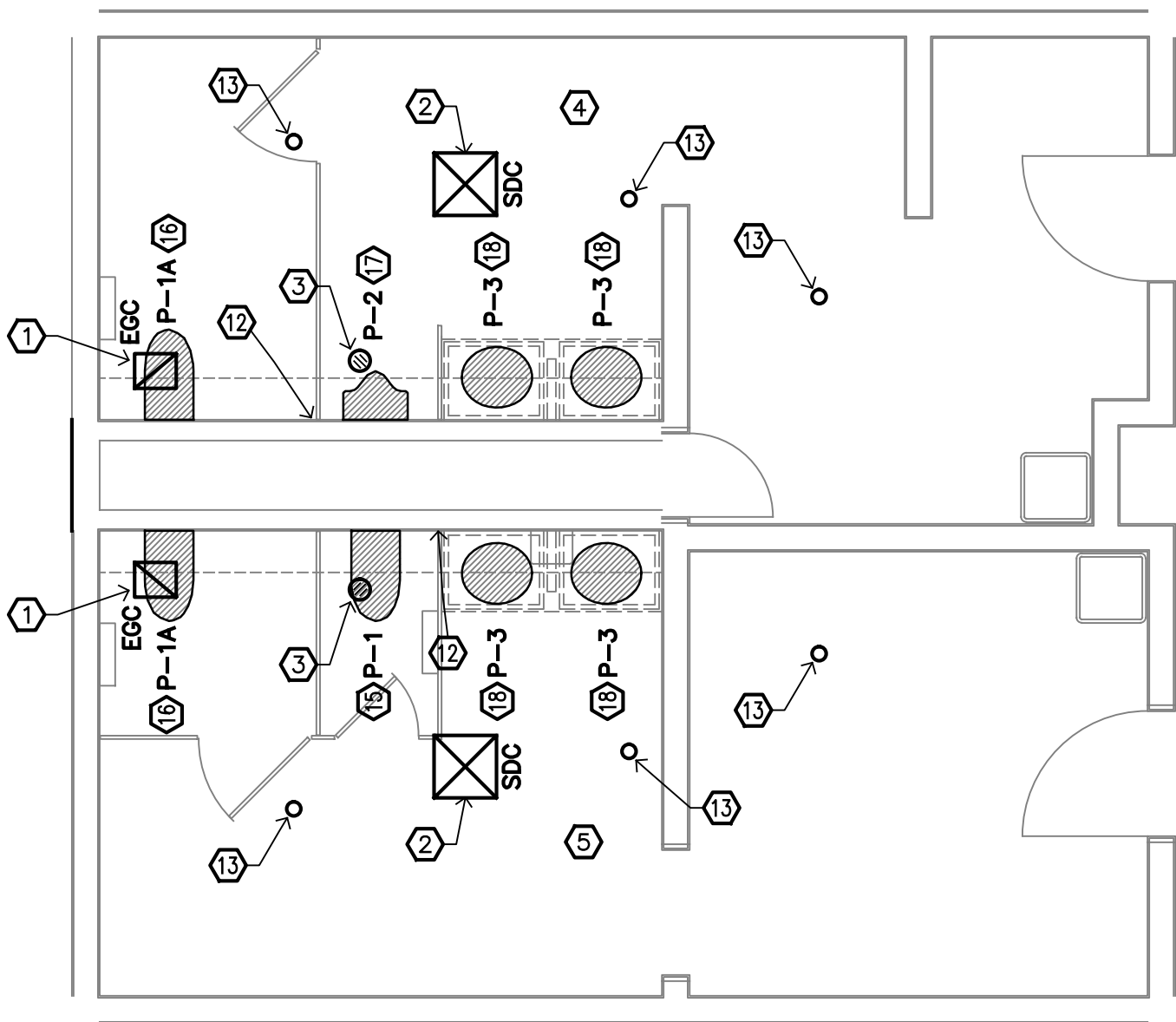
A ROOMS B03, B06, B24 & B26
M1 SCALE: 1/4" = 1'-0"



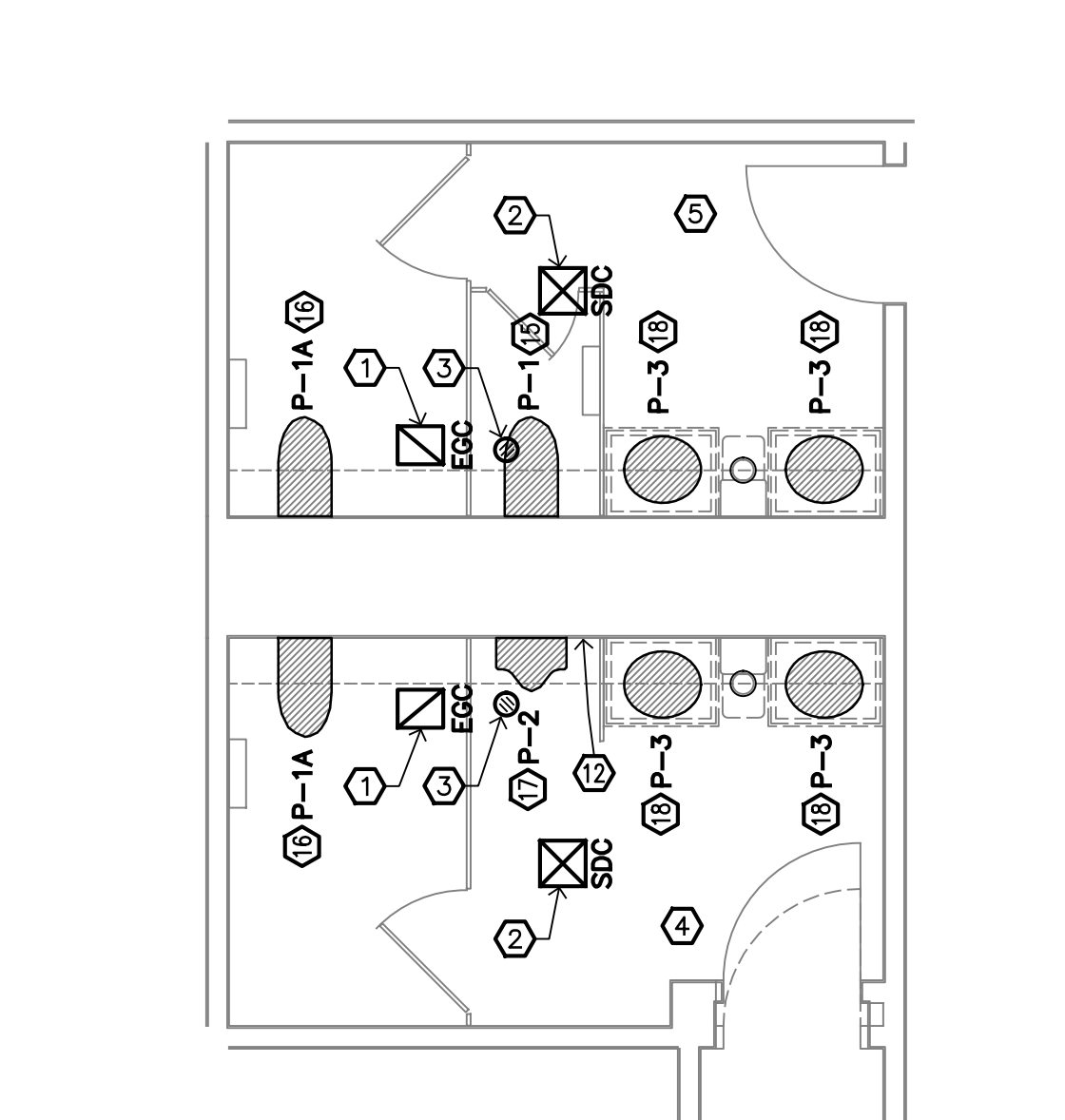
C ROOMS 104, 107, 140 & 143
M1 SCALE: 1/4" = 1'-0"



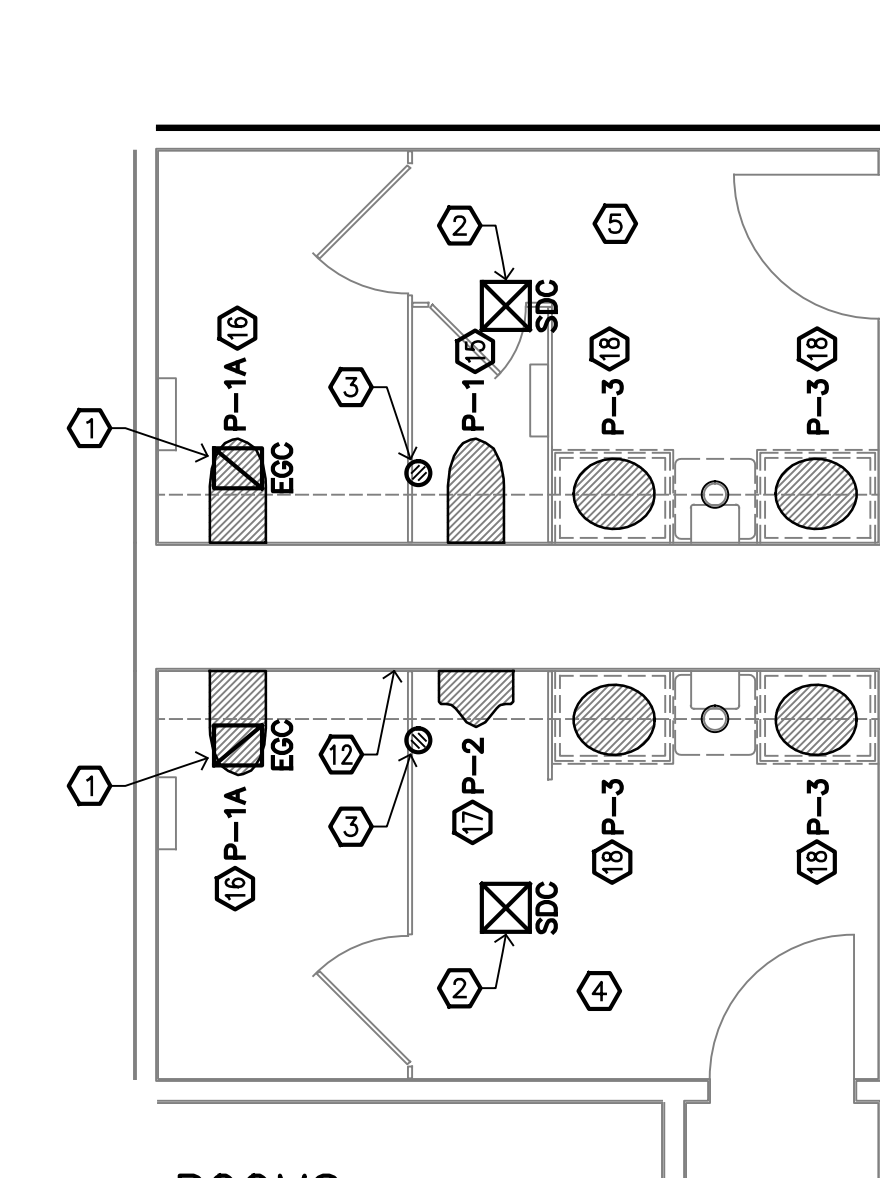
E ROOMS 207, 212, 241, 246, 309, 314, 328 & 333
M1 SCALE: 1/4" = 1'-0"



B ROOMS B32 & B33
M1 SCALE: 1/4" = 1'-0"



D ROOMS 114, 118, 127 & 131
M1 SCALE: 1/4" = 1'-0"



F ROOMS 224, 229, 260, 266, 349, 356, 371 & 376
M1 SCALE: 1/4" = 1'-0"

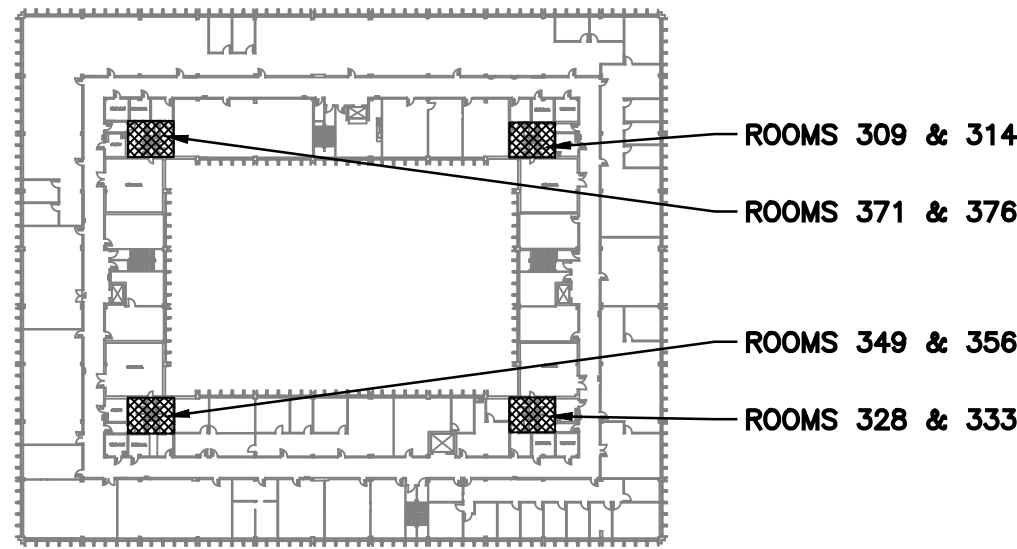
GENERAL NOTES:

- A. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE MECHANICAL AND ELECTRICAL SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
- B. CONTRACT DOCUMENT DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY.
- C. INSTALL ALL MECHANICAL AND ELECTRICAL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.
- D. COORDINATE CONSTRUCTION OF ALL MECHANICAL WORK WITH ARCHITECTURAL, STRUCTURAL, CIVIL, ELECTRICAL WORK, ETC., SHOWN ON OTHER CONTRACT DOCUMENT DRAWINGS.
- E. MAINTAIN A MINIMUM OF 6'-8" CLEARANCE TO THE UNDERSIDE OF PIPES, DUCTS, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN EQUIPMENT ROOMS.
- F. ALL TESTING OF PIPE SYSTEMS SHALL BE COMPLETED BEFORE ANY PIPING INSULATION IS APPLIED.
- G. WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF EQUIPMENT ARE REQUIRED, THE PRODUCT OF ONE MANUFACTURER SHALL BE USED.
- H. COORDINATE ALL EQUIPMENT CONNECTIONS WITH EQUIPMENT TO BE INSTALLED. COORDINATE AND PROVIDE ALL DUCT AND PIPING TRANSITIONS REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION.
- I. ALL CONTROL WIRE AND CONDUIT SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE AND ALL APPLICABLE CODES.
- J. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS MUST BE DETERMINED BY THE PROJECT SITE CONDITIONS AND SHALL HAVE THE APPROVAL OF THE FAA PM & FAA COR BEFORE BEING INSTALLED.
- K. ALL MISCELLANEOUS STEEL REQUIRED TO ENSURE PROPER INSTALLATION AND AS SHOWN IN DETAILS FOR PIPING, DUCTWORK, AND EQUIPMENT (UNLESS OTHERWISE NOTED) SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR.
- L. MECHANICAL EQUIPMENT, DUCTWORK, AND PIPING SHALL NOT BE SUPPORTED FROM METAL DECK.
- M. LOCATION AND SIZES OF ALL FLOOR, WALL AND ROOF OPENINGS SHALL BE COORDINATED WITH ALL OTHER TRADES INVOLVED.
- N. ALL OPENINGS IN FIRE WALLS DUE TO DUCTWORK, PIPING, CONDUIT, ETC., SHALL BE FIRE STOPPED WITH A PRODUCT SIMILAR TO 3M OR APPROVED EQUAL.
- O. REFER TO TYPICAL DETAILS FOR DUCTWORK, PIPING AND EQUIPMENT INSTALLATION NOT COVERED IN THE SPECIFICATIONS, IF PROVIDED.
- P. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
- Q. CERTAIN ITEMS SUCH AS RISES AND DROPS IN DUCTWORK, ACCESS DOORS, VOLUME DAMPERS, ETC., ARE INDICATED ON THE CONTRACT DOCUMENT DRAWINGS FOR CLARITY FOR A SPECIFIC LOCATION. REQUIREMENT AND SHALL NOT BE INTERPRETED AS THE EXTENT OF THE REQUIREMENTS FOR THESE ITEMS.
- R. DUCTWORK BRACING AND HANGERS SHALL COMPLY WITH SMACNA DUCT CONSTRUCTION STANDARDS.
- S. ALL DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH SMACNA STANDARDS FOR THE PRESSURE CLASSIFICATIONS AS FOLLOWS:
A. ALL DUCTWORK DOWNSTREAM OF VAV BOXES: + 2" W.G.
B. ALL DUCTWORK UPSTREAM OF VAV BOXES: + 6" W.G.
C. ALL RETURN AIR AND TRANSFER DUCTWORK: - 2" W.G.
- T. ALL PIPING, DUCTWORK AND EQUIPMENT ELEVATIONS ARE TO BOTTOM OF ITEM AND ARE APPROXIMATE. FIELD VERIFY ALL ELEVATIONS.
- U. ALL NEW PNEUMATIC CONTROL TUBING SHALL BE PLENUM RATED.
- V. WORK PRACTICES AND PROCEDURES SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL ENVIRONMENTAL, HEALTH AND SAFETY REQUIREMENTS.
- W. ALL SHEET METAL DUCTS SHALL HAVE MILL MARKINGS OUTSIDE AND VISIBLE AFTER FABRICATION.
- X. REMOVE/STORE/REINSTALL ALL CEILING TILES & GRID AS NECESSARY FOR THIS INSTALLATION. TILES & GRID DAMAGED DURING THIS PROCESS SHALL BE REPLACED WITH BUILDING STANDARD.
- Y. DUCT SIZE INDICATED ON PLANS IS AIRWAY SIZE. INCREASE DUCT SIZE AS REQUIRED TO ALLOW FOR 1" DUCT LINER.

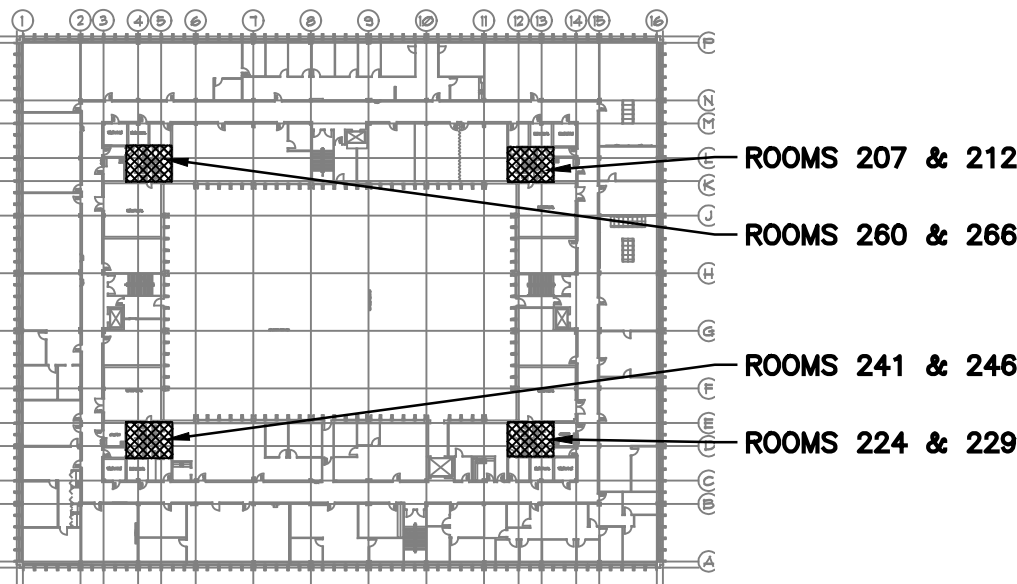
KEYED NOTES ():

- (NOTE: EXACT LOCATIONS OF THE FOLLOWING NOTED ITEMS VARY SLIGHTLY BETWEEN TYPICAL RESTROOMS. LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE)
- NEW EXHAUST GRILLE (EGC) TO REPLACE EXISTING. CONNECT TO EXISTING DUCTWORK. WHERE CONFLICT EXISTS BETWEEN EXISTING GRILLE LOCATION AND NEW LIGHT COVE, OFFSET EXISTING DUCTWORK AS REQUIRED TO RESOLVE CONFLICT. REFER TO AIR DISTRIBUTION DEVICE SCHEDULE.
 - NEW SUPPLY DIFFUSER (SDC) TO REPLACE EXISTING. CONNECT TO EXISTING DUCTWORK. REFER TO AIR DISTRIBUTION DEVICE SCHEDULE.
 - ADJUST EXISTING FLOOR DRAIN STRAINER TO NEW FLOOR TILE HEIGHT.
 - GENERAL DEMOLITION NOTE: DISCONNECT & REMOVE ALL EXISTING PLUMBING FIXTURES IN THIS ROOM (2-WALL HUNG WC, 1-URINAL, 2-WALL HUNG LAVS). ROUGH-IN PIPING SHALL REMAIN AND BE REUSED FOR NEW FIXTURES UNLESS NOTED OTHERWISE.
 - GENERAL DEMOLITION NOTE: DISCONNECT & REMOVE ALL EXISTING PLUMBING FIXTURES IN THIS ROOM (2-WALL HUNG WC, 2-CNTRTP LAVS). ROUGH-IN PIPING SHALL REMAIN AND BE REUSED FOR NEW FIXTURES UNLESS NOTED OTHERWISE.
 - REMOVE EXISTING WALL-HUNG LAVATORY.
 - REMOVE EXISTING COUNTERTOP LAVATORY.
 - REMOVE EXISTING URINAL.
 - REMOVE EXISTING WATER CLOSET AND CARRIER.
 - REMOVE EXISTING WATER CLOSET. CARRIER TO REMAIN.
 - EXISTING FLOOR DRAIN TO REMAIN.
 - GENERAL CONTRACTOR SHALL PROVIDE OPENING IN EXISTING CHASE WALL AS REQUIRED FOR DEMOLITION/INSTALLATION OF FIXTURES AND PIPING. (UPON COMPLETION OF WORK G.C. SHALL REPAIR WALL)
 - ADJUST EXISTING SPRINKLER HEAD AND ESCUTCHEON TO NEW GYP BOARD CEILING.
 - EXISTING FIRE SPRINKLER DRAINS IN ROOM #B26 TO REMAIN.
 - NEW P-1 WATER CLOSET SHALL BE INSTALLED ON NEW FLOOR MOUNTED CHAIR CARRIER, INSTALLED IN EXISTING CHASE AND CONNECTED TO EXISTING WASTE & VENT PIPING. MODIFY EXISTING PIPING AS REQUIRED TO ACCOMMODATE NEW P-1/P-2 BACK-TO-BACK POSITIONS.
 - NEW P-1A WATER CLOSET SHALL BE INSTALLED ON EXISTING FLOOR MOUNTED CHAIR CARRIER. CONNECT TO EXISTING PLUMBING ROUGH-IN. THE SPECIFIED MODEL IS A RETROFIT TYPE DESIGNED TO MEET ADA REQUIREMENTS WHEN INSTALLED ON A STANDARD HEIGHT CARRIER.
 - NEW P-2 URINAL SHALL BE INSTALLED ON NEW FLOOR MOUNTED CARRIER, INSTALLED IN EXISTING CHASE AND CONNECTED TO EXISTING WASTE & VENT PIPING. MODIFY EXISTING PIPING AS REQUIRED TO ACCOMMODATE NEW P-1/P-2 BACK-TO-BACK POSITIONS.
 - NEW P-3 LAVATORY INSTALLED IN NEW COUNTERTOP. CONNECT TO EXISTING LAVATORY ROUGH-INS WITH NEW TRAP AND SUPPLIES.

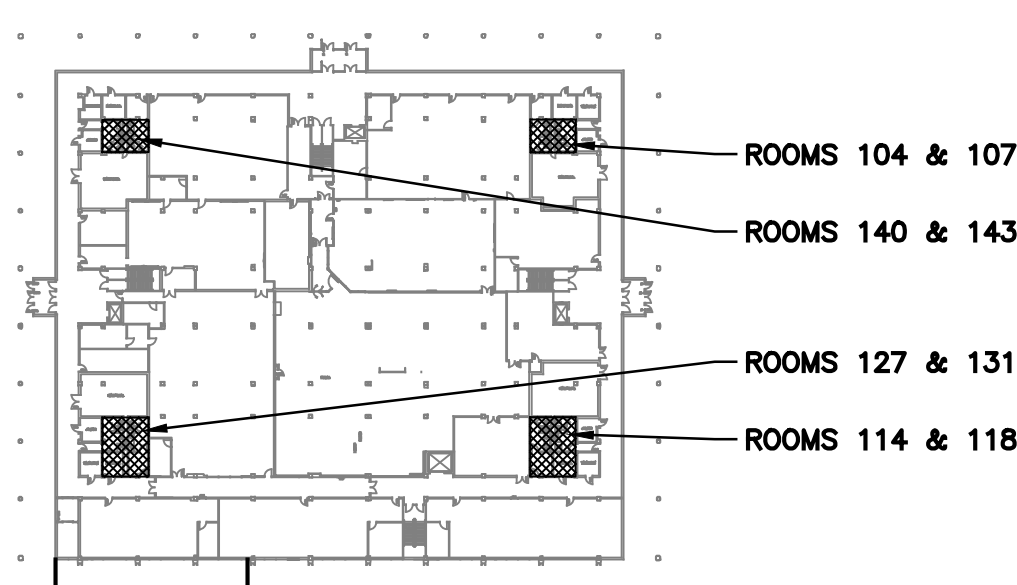
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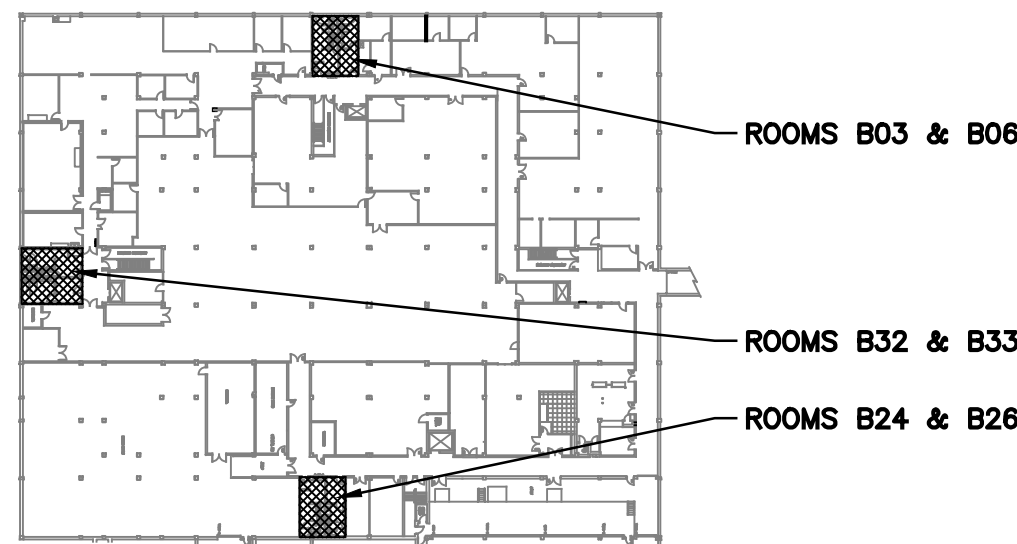
THIRD FLOOR KEY PLAN
SCALE: 1 : 1,000



SECOND FLOOR KEY PLAN
SCALE: 1 : 1,000



FIRST FLOOR KEY PLAN
SCALE: 1 : 1,000



BASEMENT KEY PLAN
SCALE: 1 : 1,000

REV	DATE	DESCRIPTION	CHECK	APP'D
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION MIKE MONRONEY AERONAUTICAL CENTER - OKLAHOMA CITY, OKLAHOMA 024-MPB Room Numbers - Refer to Restroom Plans Restroom Renovation Mechanical Plan Work Request Construction No: 2010019038				
PREPARED BY Todd Thomason		APPROVED BY Rodger Hefner		
DESIGNED	TT	ISSUED BY OFFICE OF FACILITY MANAGEMENT AMP-400	DATE JULY 2011	M1 OF M1
DRAWN	TT	DRAWING NO. AMP-400-D-10-019038		
WORK ORDER NO. 10-019038				6 OF 7